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INDEX TO AMERICAN BOTANICAL LITERATURE (1911-1913)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Arthur, J. C. A new weed exterminator. *Science* II. 37: 19. 3 Ja 1913.

Banker, H. J. Type studies in the *Hydnaceae*—III. The genus *Sarcodon*. *Mycologia* 5: 12-17. Ja 1913.

Includes *Sarcodon radicans*, *S. Murrillii*, *S. fumosus*, and *S. roseolus*, spp. nov.

Ball, C. R. The kaoliangs: a new group of grain sorghums. U. S. Dept. Agr. Plant Ind. Bull. 253: 5-64. *pl.* 1, 2 + *f.* 1-15. 11 Ja 1913.

Bartlett, H. H. The purpling chromogen of a Hawaiian *Dioscorea*. U. S. Dept. Agr. Plant Ind. Bull. 264: 5-19. *pl.* 1 + *f.* 1. 8 Ja 1913.

Bates, J. M. *Ophioglossum vulgatum* in Nebraska. *Fern Bull.* 20: 67. [Ja 1913.]

Berger, A. *Opuntia Ficus barbarica* Berger nom. nov. *Monats. Kakt. teenk.* 22: 181. 15 D 1912.

Bessey, C. E. Some of the next steps in botanical science. *Science* II. 37: 1-13. 3 Ja 1913.

Bitter, G. *Solana nova vel minus cognita*. V. *Repert. Sp. Nov.* 11: 349-394. 15 D 1912; VI. *Repert. Sp. Nov.* 11: 431-473. 31 D 1912.

Includes 17 new species and several new varieties in the section *Tuberarium* of Bitter, and 6 new species in the section *Polybotryon*.

Brain, C. K. A list of fungi of Cedar Point. *Ohio Nat.* 13: 25-36. D 1912.

- Brannon, M. A.** Factors influencing the flora of Devils Lake, North Dakota. *Internat. Rev.* **4**: 291-299. 1911.
- Britton, E. G.** *Ditrichum rhynchostegium* Kindb. *Bryologist* **16**: 8. Ja 1913.
- Campbell, D. H.** Some impressions of the flora of Guiana and Trinidad. *Pop. Sci. Mo.* **82**: 19-32. *f.* 1-3. Ja 1913.
- Chambers, C. O.** The relation of algae to dissolved oxygen and carbon-dioxide, with special reference to carbohydrates. *Ann. Rep. Missouri Bot. Gard.* **23**: 171-207. 1912.
- Chodat, R.** A grain of wheat. *Pop. Sci. Mo.* **82**: 33-45. Ja 1913.
- Clute, W. N.** *Polypodium* or *Xiphiopteris*? *Fern Bull.* **20**: 65-67. [Ja 1913.] [Illust.]
- Clute, W. N.** Priority and fern names. *Fern Bull.* **20**: 68-73. [Ja 1913.]
- [**Clute, W. N.**] *Pteridographia*. *Fern Bull.* **20**: 74-80. [Ja 1913.]
- Includes notes on: Ferns in bottles; New stations for Florida ferns; Additional fern pests; Number of articles on ferns; A new *Equisetum*; New southwestern ferns; Death of James Goldie; Two new fern sports; Crested Christmas fern; Bermuda ferns; Ferns as weeds.
- Clute, W. N.** Rare forms of fernworts—XXIII. Who can name this fern? *Fern Bull.* **20**: 73, 74. [Ja 1913.] [Illust.]
- Collins, G. N.** Heredity of a maize variation. U. S. Dept. Agr. *Plant Ind. Bull.* 272: 5-23. *pl.* 1 + *f.* 1. 21 Ja 1913.
- Conard, H. S.** Revegetation of a denuded area. *Bot. Gaz.* **55**: 80-84. *f.* 1, 2. 15 Ja 1913.
- Cook, O. F.** Heredity and cotton breeding. U. S. Dept. Agr. *Plant Ind. Bull.* 256: 5-113. *pl.* 1-6 + *f.* 1-19. 13 Ja 1913.
- Cook, O. F.** Morphology of cotton branches. U. S. Dept. Agr. *Plant Ind. Circ.* 109: 11-16. 4 Ja 1913.
- Cooper, W. S.** The climax forest of Isle Royale, Lake Superior, and its development. I. *Bot. Gaz.* **55**: 1-44. *f.* 1-14 + *map*. 15 Ja 1913.
- Cooper, W. S.** A list of mosses collected upon Isle Royale, Lake Superior. *Bryologist* **16**: 3-8. Ja 1913.
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Includes *Keithia thujina* sp. nov.
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Published by the Commission of Conservation, Canada.
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